

Product datasheet for **RG219411**

MROH9 (NM_025063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MROH9 (NM_025063) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MROH9
Synonyms:	ARMC11; C1orf129
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219411 representing NM_025063
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGTTGACAAGGAATCCAAAAACAAGAGTAGTCTCCAGATTCTGCAAGACAGTGTGAAATGGCACCACA
 TGGCACATAAAGTTAACAGCCTATTGGATGCATACTCAGGCCTGTAAAGTAATGAATCCATGATCCTGGC
 TGTGAACTCCAGCTTTGTGGATCCCTTACTGCAGTTTGAATCTCAGTTGAAGATAATAGAGTCATCCTTT
 GGAATGCTAGTTGTCATGCCAAGTCTTGACAAAGTAAAGAAATGGGGAGCAGTTATGAGTACATTGAGG
 ACATGGAGAATTTATACCACAATATTTTAAATATATAGAGAACATTCTTACGAGCTTGGTGTCTAAAGA
 CCTCTACAACTACAGATCTTAAAGGAAATGCTCGTGTGGATGAGTAAAGATAGCTCATATCTGCAAGAG
 AGAATAATGGTGATCATCAACAAGGTGTTAAGATTTACAGTCACAAAAGTCAGAAAATACATAAGTGTTG
 ATGCTCCATGTTTGGGTCTCCTGGCAGCAGAGCTGTCTCTTTGTGTTCCCATGAAGATCCCTCGATTGT
 AAAACAAGCATCATTGGGAATGTGTACCTCCTCTACATTGCACGGTGTGAGAACGATATTGGAACAAAT
 AAGCCTACAAACGGTAAAGTCATAGCCTCCAGTTTCCTTCTTCTGATGTAGAATTTCTACCCAAGGAGT
 TTCAACAAGACGAAAGTAAATAGCTCAGAGAGTAGGGCAAACCTTACTGCCTCCCTTGCTGACTGACTT
 TGTGCAGAGTCTCCTGATGAAACTCTTTCACCTGATGATAAAATCGCATCTGATGCAGCATCCATACTG
 ATATTTACTCTGGAATTCATGCCGAGAAGGTCACCATGGTGTCTAAGATCGTGGATGCTATTTACAGGC
 AACTGTGTGATAACAATTGTATGAAGGATGTTATGTTGCAGGTTATCACTTTGTTGACATGCACTTCACC
 CAAGAAGGTCATCTTTCAACTTATGGACTACCCAGTTCAGCAGACGACACTCTGATACAGATGTGGAAG
 GCGGCATGTTCTCAGGCGAGCGTGGCCCTCACGTGCTGAAGACAATCTTATTGATACTGAAAGGAAAGC
 CTGGGGAATGGAGGACACCGTAACGGAAGGGAACGTTTCTCTTGTATTACCAACTTGATGCCTTT
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 CCCCAGCTCTTGACGACTCTTATGTTCCAGTCTTCTACAACAGTGAGCTGAAACCGATACTCAAGGACA
 GGGCTTTGTATGCCCAGGATGCCCTGAGAGTCTGCTGAATTGTTCTGGACTGCAACAGGTGGATATTAC
 TCTAATGAAGGAGAATTTCTGGGACCAGTTATCTGAAGATCTGTGTTACTATCATGGAGTCTGCTTTATT
 GCTAAACTCTCAGTGAATATAACTTTCCACAGTTTCCGAGACCCTGAGTTATCTCTATAAGCTCTCAG
 TAGAAGGTCCTAGAAGGTCAGAAGACACTGTCATCGTATTAATATTCCTCACTGAAGTGAGTTTTGTAGA
 CTGTGAACAGCTGTGTTCTCATTTCCTTTCTTACCCAAATTTAAATCAAAATTCAGTTTCTCGTATCT
 CTCCTCTGAATGTTGGTCTTACCAAGACTTAAGATCA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

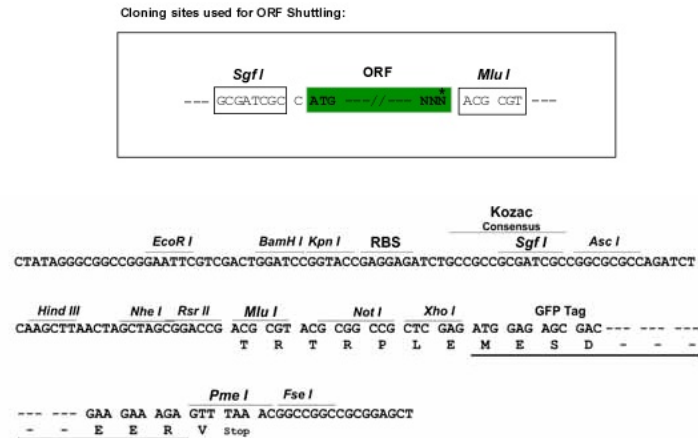
>RG219411 representing NM_025063
 Red=Cloning site Green=Tags(s)

MLTRNPKTSSLQILQDSVKWHMAHKVNSLLDAYSGLLSNESMILAVNSSFVDPDLLQFESQLKIIESSF
 GMLVVMPSLDKVKEMGSSYEYIEDMENLYHNILNIYENILTSLVSKDLKYLQILKEMLVWMSKDSSYLQE
 RIMVIINKVLRFTVTKVRKYISVDAPCLGLLAAELSLCASHEDPSIVKQASLGMCHLLYIARCQNDIGTN
 KPTNGKSHSLQFPSSDVEFLPKEFQQDESKIAQRVGQTLPLLTDFVQSLLMKLSSPDDKIASDAASIL
 IFTFLEHAEKVTMVKIVDAIYRQLCDNNCMKDVMLQVITLLTCTSPKKVIFQLMDYPVPADDTLIQMWK
 AACSQASVAPHVLKTIILLILKGKPGEMEDTVEGKRFLDITNLMPLAACQALCTFLPLGSYRKAVAQYF
 PQLLTTLMFQVFYNSELKPIKDRALYAQDALRVLLNCSGLQQVDITLMKENFWDQLSEDLCCYHGVCFI
 AKTLSEYNFPQFPETLSYLYKLSVEGPRRSEDVIVLIFLTVSVFVDCEQLCSHFLFLPKFKSKFQFLVS
 LPLNVGSYQDLRS

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_025063

ORF Size: 1719 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_025063.4](#)

RefSeq Size: 2258 bp

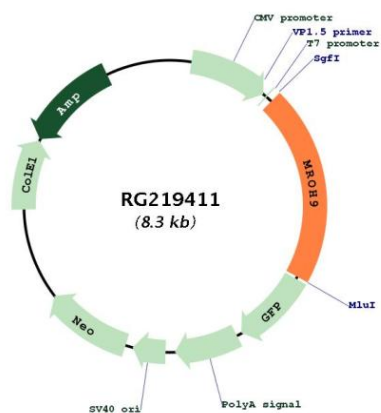
RefSeq ORF: 1722 bp

Locus ID: 80133

UniProt ID: [Q5TGP6](#)

Cytogenetics: 1q24.3

Product images:



Circular map for RG219411